

FORM  
5A

Rev  
06/12

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400368318

Date Received:

01/17/2013

COMPLETED INTERVAL REPORT

The completed interval Report, Form 5A, shall be submitted within thirty (30) days of completing a formation (successful or not), when a formation is temporarily abandoned or permanently abandoned, for a recompletion, reperforation or restimulation, or when a formation is commingled. Fill out a section for each formation. Attach as many pages as required to fully describe the work. List in order of completion.

1. OGCC Operator Number: 10203  
2. Name of Operator: BLACK RAVEN ENERGY INC  
3. Address: 1331 17TH STREET - #350  
City: DENVER State: CO Zip: 80202  
4. Contact Name: Scott Ritger  
Phone: (303) 887-9266  
Fax: (303) 308-1590  
Email: sritger@ticdenver.com

5. API Number 05-087-05433-00  
6. County: MORGAN  
7. Well Name: Geyer, Harry  
Well Number: B-1  
8. Location: QtrQtr: NWSW Section: 5 Township: 1N Range: 57W Meridian: 6  
9. Field Name: ADENA Field Code: 700

Completed Interval

FORMATION: D SAND Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 05/24/2012 End Date: 05/30/2012 Date of First Production this formation: 06/15/2012

Perforations Top: 5484 Bottom: 5488 No. Holes: 24 Hole size: 37/100

Provide a brief summary of the formation treatment: Open Hole: ☐

1 stage: After perforating, well was acidized with 2000 gal 10% acetic acid. Well was frac'd with 498 Barrels of cross-linked gel, 17,120# of 20/40 sand and 3,040# of 16/30 sand.

This formation is commingled with another formation: ☐ Yes ☒ No

Total fluid used in treatment (bbl): 546 Max pressure during treatment (psi): 3844

Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 8.42

Type of gas used in treatment: Min frac gradient (psi/ft): 0.76

Total acid used in treatment (bbl): 48 Number of staged intervals: 1

Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 546

Fresh water used in treatment (bbl): 498 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 20160 Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized: PRESSURE

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: 06/14/2012 Hours: 8 Bbl oil: 7 Mcf Gas: 25 Bbl H2O: 10

Calculated 24 hour rate: Bbl oil: 21 Mcf Gas: 75 Bbl H2O: 30 GOR: 3500

Test Method: Pumping Casing PSI: 0 Tubing PSI: 0 Choke Size:

Gas Disposition: VENTED Gas Type: DRY Btu Gas: 1100 API Gravity Oil: 42

Tubing Size: 2 + 3/8 Tubing Setting Depth: 5519 Tbg setting date: 06/07/2012 Packer Depth:

Reason for Non-Production:

Date formation Abandoned: Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt

\*\* Bridge Plug Depth: \*\* Sacks cement on top: \*\* Wireline and Cement Job Summary must be attached.

FORMATION: J SAND Status: TEMPORARILY ABANDONED Treatment Type: \_\_\_\_\_  
Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: \_\_\_\_\_  
Perforations Top: 5553 Bottom: 5559 No. Holes: 20 Hole size: 0  
Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☐

Set two bridge plugs over the J sand perforations. First CIBP set at 5526'. Pressure test indicated inadequate isolation. Second CIBP set at 5522'. Original J sand perms (5558-5563) had been squeezed by previous operator, and current perms (5553 to 5559) were added July 2, 1954.

This formation is commingled with another formation: ☐ Yes ☒ No  
Total fluid used in treatment (bbl): \_\_\_\_\_ Max pressure during treatment (psi): \_\_\_\_\_  
Total gas used in treatment (mcf): \_\_\_\_\_ Fluid density at initial fracture (lbs/gal): \_\_\_\_\_  
Type of gas used in treatment: \_\_\_\_\_ Min frac gradient (psi/ft): \_\_\_\_\_  
Total acid used in treatment (bbl): \_\_\_\_\_ Number of staged intervals: \_\_\_\_\_  
Recycled water used in treatment (bbl): \_\_\_\_\_ Flowback volume recovered (bbl): \_\_\_\_\_  
Fresh water used in treatment (bbl): \_\_\_\_\_ Disposition method for flowback: \_\_\_\_\_  
Total proppant used (lbs): \_\_\_\_\_ Rule 805 green completion techniques were utilized: ☐  
Reason why green completion not utilized: \_\_\_\_\_

**Fracture stimulations must be reported on FracFocus.org**

**Test Information:**

Date: \_\_\_\_\_ Hours: \_\_\_\_\_ Bbl oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbl H2O: \_\_\_\_\_  
Calculated 24 hour rate: Bbl oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbl H2O: \_\_\_\_\_ GOR: \_\_\_\_\_  
Test Method: \_\_\_\_\_ Casing PSI: \_\_\_\_\_ Tubing PSI: \_\_\_\_\_ Choke Size: \_\_\_\_\_  
Gas Disposition: \_\_\_\_\_ Gas Type: \_\_\_\_\_ Btu Gas: \_\_\_\_\_ API Gravity Oil: \_\_\_\_\_  
Tubing Size: \_\_\_\_\_ Tubing Setting Depth: \_\_\_\_\_ Tbg setting date: \_\_\_\_\_ Packer Depth: \_\_\_\_\_

Reason for Non-Production: Water cut too high.

Date formation Abandoned: 05/29/2012 Squeeze: ☐ Yes ☒ No If yes, number of sacks cmt \_\_\_\_\_

\*\* Bridge Plug Depth: 5522 \*\* Sacks cement on top: \_\_\_\_\_ \*\* Wireline and Cement Job Summary must be attached.

Comment:

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Scott Ritger  
Title: Geologist Date: 1/17/2013 Email: sritger@ticdenver.com  
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**Attachment Check List**

Att Doc Num	Name
400368318	FORM 5A SUBMITTED
400368319	WIRELINE JOB SUMMARY

Total Attach: 2 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Oper. does not have hole size for perfs done on J. # of stages is one. Oper. submitted add'l frac info.	1/6/2014 1:41:29 PM
Permit	Req'd add'l info on frac. Also hole size for J sand perfs.	12/30/2013 1:04:46 PM

Total: 2 comment(s)